Powerline

HL119EP

Aztech

Aztech
Package Includes
HL119EP( 1 unit)
Easy Start Guide
Resource CD
Ethernet Cable (1 pc)
Platform Support
Supports Windows and MAC Operating System
Ethernet Port
Configuration Utility Requires: Windows 8 / 7 / Vista / XP / ME / 2000 / 98SE
Power sockets must be electrically connected
POWERLINE NETWORKING
Aztech
HOMEPLUG AV2 600 Mbps
PASS THROUGH WITH SMART LINK
POWERLINE NETWORKING
HL119EP
Perfect for STREAMING
HD Media on IPTV, NowTV(Hong Kong) Internet TV & Media Player
SUPPORT Fiber Broadband NETWORKS
• Turn powerline into home network without cabling
• Extra outlet for other devices
• Works right out of the box
POWERLINE NETWORKING

# SMART LINK HOMEPLUG AV2 600Mbps WITH AC PASS-THROUGH

The **Aztech HL119EP Smart Link HomePlug AV2 600Mbps AC Pass-Thru Eth Adptr** embarks on a concept of No New Wires® data communications, and it transforms your in-house powerline into a networking infrastructure. It provides SmartLink Plus coupling to the Line-Neutral pair and the Line-Ground pair of the AC mains. It successfully reduce "dead spot", increase throughput and increase network coverage within a home. Surf the Internet and share data at the speed up to 1Gbps PHY rates through powerline, in any outdoor environment and rest assured with the best security from eavesdroppers through encryption on the power circuit.

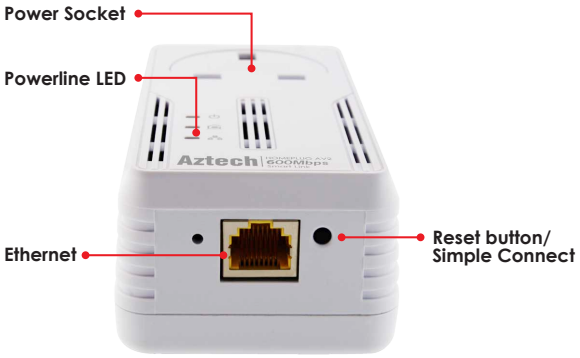
HL119EP Smart Link HomePlug engine is a Qualcomm Atheros QCA7450 chipset and AR1540 AFE. It features faster processing power, Fast Ethernet host interfaces and an enhanced analog front end. The solution is compliance with IEEE1901 , Homeplug AV and Homeplug AV2, hence allowing hassle free compatibility with existing Homeplug AV devices and other suppliers of IEEE1901 PLC (Powerline Line Communication) devices.

Enhanced Quality of Service (QOS) also provides the guaranteed bandwidth reservations for multimedia payloads including TV over IP (IPTV), higher data rate broadband sharing, Online-Gaming, VoIP Calls, extending Wireless LANs coverage, Printer and peripheral sharing, Audio-Video transmission across the network as well as Network camera connectivity.

HL119EP provides a configuration push button for a convenient way of creating HomePlug network without the need to using the Device Utility from a computer. The security feature is supported by 128-bit AES Hardware encryption, ensuring the network communications is free from eavesdroppers and hackers.

## Features

- Advance Green low-power modes
- Integrated ARM CPU & Internal memory
- Dynamic channel adaption and channel estimation
- Advanced Turbo Code Forward Error Correction
- Integrated 10/100/1000 802.3az Ethernet PHY
- Single Chip solution with integrated analog front end and line driver
- Lower cost and power consumption than existing HPAV solutions for lower cost




*Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building material and construction, and network overhead, lower actual data throughput rate.

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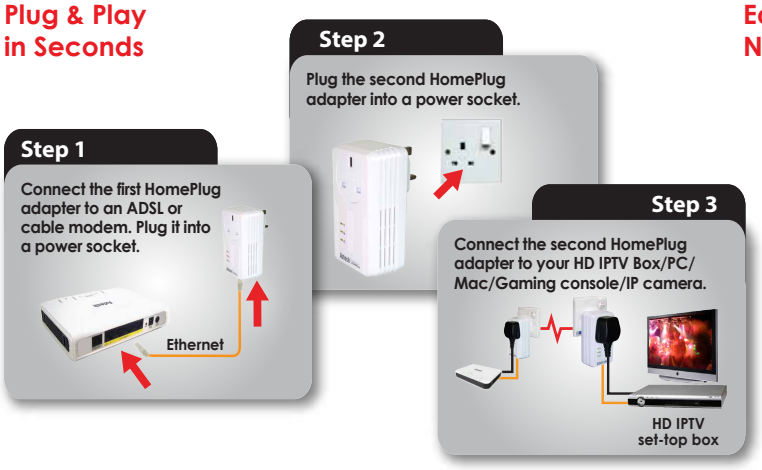
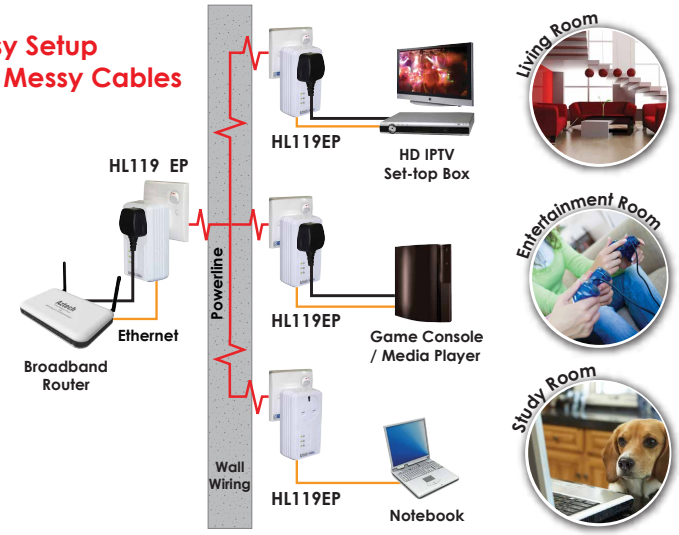
## Plug & Play in Seconds


Step 1
Connect the first HomePlug adapter to an ADSL or cable modem. Plug it into a power socket.
Ethernet
Step 2
Plug the second HomePlug adapter into a power socket.
Step 3
Connect the second HomePlug adapter to your HD IPTV Box/PC/ Mac/Gaming console/IP camera.
HD IPTV set-top box

## Easy Setup No Messy Cables




## Specifications

| | | | |
|---|---|---|---|
| Protocol/Standards | IEEE 1901/HomePlug AV/AV2 Compliant | Co- existence with HomePlug 1.0 Nodes | Compliant to EuP requirements |
| | IEEE 802.3 10/100/1000 Ethernet(1Gbps) | IEEE 802.3az support | |
| Data Transfer Rate | Up to 600Mbps over powerline | | |
| Modulation Support | Supports OFDM 4096/1024/256/64/16/8-QAM, QPSK, BPSK and ROBO Modulation Schemes | | |
| Frequency Band | 2MHz to 68MHz band | | |
| Quality of Service | Priority-based CSMA/CA channel access schemes maximize efficiency and throughput | | |
| | Integrated Quality of Service (QoS) Enhancements | | |
| | Hardware Packet Classifiers for ToS, CoS and IP Port Number | | |
| | Supports IGMP managed multicast session | | |
| Diagnostic and Management Interface | Homeplug AV generic and vendor specific Management Message Entries (MME) | | |
| Security Support | 128-bit AES Link Encryption with key management | | |
| Noise Filtering | Frequency band 2MHz to 68MHz (TBD) | | |
| | Filter characteristics : -25dB to -45dB (TBD) | | |
| AC Pass Through Power Socket | Current Rating: 13A max (UK), 16A max (DEU), 10A max (AUS) | | |
| Memory | SPI Flash : 2 MB | | |
| Hardware | Qualcomm Atheros QCA7450 chipset (1pc) | | |
| | Qualcomm Atheros AR1540 chipset (1pc) | | |
| Platform Support | OS Independent with TCP/IP protocol installed | | |
| Power Supply | Switch Mode 85VAC to 265VAC Supply for UK/US 3-pin plugs | | |
| LED Indicators | 1 x Power LED (Green) | 1 x Powerline Link/Activity Status LED (Bicolor) | 1 x Ethernet Link/Activity Status LED (Green) |
| External Connectors | 1 x Electrical Power plugs | 1 x RJ45 for 10/100/1000 Ethernet Push | |
| Push Button/Switch | 1 x Simple Connect Push Button (Set up network password automatically) | | |
| | 1 x Factory Default Reset Button | | |
| Resin/Plastic Casing | Polycarbonate, FR rating UL94-V0 | | |
| Dimension | 116(H) mm x 62(W) mm x 42(D) mm | | |
| Weight | 210g | | |
| Power Consumption | 4.5 Watt | | |
| Platform Support | Windows 98SE, 2000, ME, XP 32bit, Vista 32bit, Windows 7 (32/64-bit),Windows 8 | | |
| Temperature | Operating : 0° to 40° Celsius | 32° to 104° Fahrenheit | |
| | Non-Operating : -25° to 70° Celsius | -13° to 158° Fahrenheit | |
| Humidity | Operating : 30% to 80% Relative Humidity (Non-Condensing) | | |
| | Non-Operating : 30% to 95% Relative Humidity (Non-Condensing) | | |

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